

REMARKS

The above amendments were made to place the application into proper U.S. patent format. Early and favorable consideration is earnestly solicited.

Respectfully submitted,
NORRIS MCLAUGHLIN & MARCUS, P.A.

By *Christa Hildebrand*
Christa Hildebrand
Reg. No. 34,953

220 East 42nd Street
30th Floor
New York, New York 10017
(212) 808-0700

MARK-UP FOR PRELIMINARY AMENDMENT

PURSUANT TO 37 C.F.R. § 1.121

Hon. Assistant Commissioner of Patents
Washington, DC 20231

Specification:

Page 1, line 4:

[Field of technology] BACKGROUND OF THE INVENTION

Field of Invention

Page 1, line 11:

[State of the technology] Description of the Related Art

Page 3, line 31:

[Best mode for carrying out the invention] Detailed Description of the Presently Preferred Embodiments

Page 7, lines 22-26:

The releasable connection in process step [c)] e) is established by rotating the locking lever 2.6 and the fixing elements 2.3 of the cross member 2.1, which are formed as hammer head screws and secured with nuts 2.7, and engaging the same behind the fixing elements 1.6 of the rotor, which are formed as openings or slots, whereby the cross member 2.1 is affixed to the rotor 1.

Page 7, after line 30, please add the following paragraph:

As stated above, the invention also provides for a device for carrying out the method as described above having a drive unit (2.8) connected to a lockable slide (2.4), with the

2020-07-07 09:45

drive unit (2.8) including a cross member (2.1) with fixing elements (2.3) for attachment to a rotor (1) of a hammer crusher (not shown). Both, the slide (2.4) and the cross member (2.1) and the drive unit (2.8) can move relative to the rotor (1) and relative to one another. A pulling head (2.2) is affixed on the hammer axle (1.5) and connected to the slide (2.4) so as to be capable of assuming several relative positions thereto. The drive unit (2.8) is made of two hydraulic cylinders (2.8.1, 2.8.2) which are affixed on the slide (2.4) and whose piston rods (2.8.3, 2.8.4) are connected by the cross member (2.1). The drive unit (2.8) comprises an electric motor with a spindle, and the spindle is connected to the cross member (2.1) by a threaded element. The cross member (2.1) has hammer head screws, forming fixing elements (2.3), which engage in corresponding slots or openings (1.6) of an end disk (1.2) or a similar element of the rotor (1), which through rotation by locking levers (2.6) engage behind the end disk (1.2) and are secured by nuts (2.7), wherein in this position the cross member (2.1) is in a rigid and releasable connection with the rotor (1). The pulling head (2.2) is connected to the slide (2.4) by a releasable element (2.5), such as an insertable interlocking element. The releasable element (2.5) can lock the pulling head (2.2) on the slide (2.4) in several spacings/positions and that the slide (2.4) has several suitable insertion positions therefor. When the piston rods (2.8.3, 2.8.4) are retracted, the slide (2.4) is arranged at a spacing in the axial direction of the rotor (1) which corresponds to the length of the respective hammer axle (1.5) plus tolerances, divided by the required or desired number of strokes for pulling the hammer axle (1.5), whereby the respective position assumed by the slide (2.4) is locked by the releasable element (2.5). The hammer axle (1.5), after having been completely pulled out, rests in the slide (2.4) and can optionally be exchanged against a new hammer axle (1.5), wherein its placement corresponds to the demounting and/or mounting position in the rotor (1) and the features recited in claims 6 to 12 are also applicable to the installation of the hammer axles (1.5).

00008593